

## China National Nuclear Corporation

### Qualified Supplier Certificate

Reference NO.: CNNC-200022002

#### Framatome GmbH

Entrusted by China National Nuclear Corporation (CNNC), after review and evaluation in accordance with the relevant regulations of CNNC qualified supplier evaluation, your company has been qualified to supply products (or services) to CNNC headquarter and its subordinate companies.

This certificate is applied to the following products (or services):

- Research & development, design, manufacture, spares supply and service of Safety I&C system in Nuclear Plants;
- Research & development, manufacture, design, spares supply and service of reactor I&C systems: In-Core Instrumentation System, Nuclear Instrumentation System, Rod Positioning System and Rod Indication System;
- Design, manufacture and service of NPP 1E Emergency Power Supply Equipment (EDG/Generator, Battery (Group));  
Design, manufacturing and technical services of NPP 1E Control System Cabinets (I&C frame, cabinet, panel, table (or station), screen, box / back-up panel, emergency control panel) and 1E sensor (nuclear instrumentation / neutron flux detector);
- Research & development, design, manufacture (outsourced) and service of Electrical Systems Products in NPP: Reactor Trip Breakers (RTB), UPS Power Supply System, CRDM Power Supply System (RAM), RAM Control Cabinet, Rod Drive Digital Control System, Rod Pilot and Protection Cabinet;
- Research & development, design, manufacturing (outsourced) and technical service of Containment Systems in NPP: 1) Passive Autocatalytic (H2) Recombiners, 2) Filtered Containment Venting System, 3) Post-Accident Sampling Systems, 4) Waste Treatment and Effluent Monitoring Systems; 5) Research & development, design, manufacturing and technical services of Containment Atmosphere Monitoring Systems;
- Research & development, design, manufacture and technical service of NPP Monitoring & Diagnostic Systems: Loose Parts Monitoring System, Vibration Monitoring System, Diagnostic at Rotating Machinery, Leak Detection (internal and external), Valve and Drive monitoring at motor operated or solenoid valve, Fatigue Monitoring System, SFP level measurement, RPV level measurement;
- Complete solution, consulting and technical services for chemistry and decontamination in nuclear power plants;
- Design of 1E cable and 1E electrical cable penetration;
- Maintenance & Repair services, modification and technical services of NPP system and components.

- Design, Manufacturing and Technical Services of H2 Monitoring System and H2O2 Recombiner

Related to premises:

Paul Gossen Strasse 100, Germany

Xingyuan Certification Center Co., Ltd

Issue date: 2020/04/23

Validity: maximum 3 years, can be extended to 2023/04/22

Remark:

\*: within the 3 years' validity, the supplier shall receive the supervision and evaluation at least once per year. If the conclusion is qualified, the certificate will be extended by another year. Otherwise, in case of disqualified conclusion, the certificate will become invalid. Please visit website [www.cnnc.com.cn](http://www.cnnc.com.cn) to check on line the status of the qualified supplier certificate.